**Process, exchange, service computer, program module
and interface device for transmitting telecommunications
service data between an exchange and a service computer**

Claims

1.   Process for transmitting telecommunications service
data between an exchange (SW1) and a service computer
(GPTM), wherein a subscriber (SUBA) with a terminal (TERA)
can access a user interface (IGP) of the service computer
5 (GPTM) via the Internet, wherein the subscriber can
manipulate telecommunications service data via the user
interface (IGP) and wherein the exchange (SW1) can provide
telecommunications services with the aid of the
telecommunications service data, characterised in that a
10 connection (VGP) is established between the exchange (SW1)
and the service computer (GPTM), and in that data for
providing telecommunications services for the subscriber is
transmitted on the connection between the exchange (SW1)
and the service computer (GPTM) in the form of objects.
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2.   Process according to claim 1, characterised in that
the objects are transmitted between the exchange and the
service computer as object-request-broker objects.

20 3.   Process according to claim 1, characterised in that an
        interface module (LPTM) is used for the connection
        (VGP) to the service computer (GPTM), which interface
        module is connected upstream of a service provision
        module (SM) of the exchange (SW1), of which the data
25   for providing telecommunications services can also be
        manipulated by the subscriber via a telephone
        connection.

4.   Process according to claim 1, characterised in that
30 the service computer (GPTM) determines the object reference
of the exchange (SW1) or in that the exchange (SW1)

determines the object reference of the service computer
(GPTM) with the aid of a name server, and in that the
objects are transmitted between the exchange (SW1) and the
service computer (GPTM) with the aid of the respective
5 object reference.

5.   Process according to claim 1, characterised in that
the service computer (GPTM) of the exchange (SW1) transmits
configuration settings for telecommunications services as
10 data for the provision of telecommunications services.

6.   Process according to claim 1, characterised in that
the service computer (GPTM) and the exchange (SW1)
transmit, as data for the provision of telecommunications
15 services, data with which the exchange (SW1) and the
service computer (GPTM) can provide telecommunications
services interactively.

7.   Service computer (GPTM) for transmitting
20   telecommunications service data between an
        exchange (SW1) and the service computer (GPTM), the
        service computer (GPTM) having a user interface (IGP)
        which a subscriber (SUBA) with a terminal (TERA) can
        access via the Internet and via which the subscriber
25   can manipulate telecommunications service data with
        the aid of which the exchange (SW1) can provide
        telecommunications services, characterised in that the
        service computer (GPTM) has memories (MEMSC) which are
        designed in such a way that the service computer
30   (GPTM) can store the telecommunications services data,
        in that the service computer (GPTM) has connecting
        means (TRSC) which are designed in such a way that the
        service computer (GPTM) can establish a connection
        (VGP) to the exchange (SW1), and in that the
35   connecting means (TRSC) are furthermore designed in
        such a way that the service computer (GPTM) can
        transmit data for the provision of telecommunications

services for the subscriber on the connection to the exchange (SW1) in the form of objects.

8. Program module for a service computer (GPTM) for
5   transmitting telecommunications service data between
    an exchange (SW1) and the service computer (GPTM)
    which has a user interface (IGP) which a subscriber
    (SUBA) with a terminal (TERA) can access via the
    Internet and via which the subscriber can manipulate
10   telecommunications service data with the aid of which
    the exchange (SW1) can provide telecommunications
    services, the program module containing a program code
    which can be implemented by a control means (CPUSC) of
    the service computer (GPTM), characterised in that the
15   program module is designed in such a way that the
    service computer (GPTM) can store the
    telecommunications service data in a memory (MEMSC) in
    accordance with the instructions of the program
    module, in that the program module has connecting
20   means which are designed in such a way that the
    service computer (GPTM) can establish a connection
    (VGP) to the exchange (SW1) in accordance with the
    instructions of the program module, and in that the
    connecting means are furthermore designed in such a
25   way that the service computer (GPTM) can transmit data
    for the provision of telecommunications services for
    the subscriber on the connection to the exchange (SW1)
    in the form of objects in accordance with the
    instructions of the program module.
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9. Interface device (LPTM) for an exchange (SW1) for
transmitting telecommunications service data between the
exchange (SW1) and a service computer (GPTM) which has a
user interface (IGP) which a subscriber (SUBA) with a
35 terminal (TERA) can access via the Internet and via which
the subscriber can manipulate telecommunications service
data which can be used for the provision of

telecommunications services by a service provision means
(SM) of the exchange (SW1), characterised in that the
interface device (LPTM) has connecting means which are
designed in such a way that the interface device (LPTM) or
5 the service computer (GPTM) can establish a connection
(VGP) between the exchange (SW1) and the service computer
(GPTM), and in that the interface device (LPTM) has
transmitting and receiving means which are designed in such
a way that the interface device (LPTM) can transmit data
10 for the provision of telecommunications services for the
subscriber through the exchange (SW1) on the connection
between the exchange (SW1) and the service computer (GPTM)
in the form of objects.

15 10.   Exchange with an interface device (LPTM) for
        transmitting telecommunications service data
        between the exchange (SW1) and a service computer
        (GPTM) which has a user interface (IGP) which a
        subscriber (SUBA) with a terminal (TERA) can access
20   via the Internet and via which the subscriber can
        manipulate telecommunications service data which can
        be used for the provision of telecommunications
        services by a service provision means (SM) of the
        exchange (SW1), characterised in that the interface
25   device (LPTM) has connecting means which are designed
        in such a way that the interface device (LPTM) or the
        service computer (GPTM) can establish a connection
        (VGP) between the exchange (SW1) and the service
        computer (GPTM), and in that the interface device
30   (LPTM) has transmitting and receiving means which are
        designed in such a way that the interface device
        (LPTM) can transmit data for the provision of
        telecommunications services for the subscriber through
        the exchange (SW1) on the connection between the
35   exchange (SW1) and the service computer (GPTM) in the
        form of objects.